

Refine Search

Search Results -

Terms	Documents
L17 and L10	7

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

Refine Search

Recall Text

Clear

Interrupt

Search History

 DATE: Tuesday, January 18, 2005 [Printable Copy](#) [Create Case](#)

09/818,618

Set Name Query

side by side

Hit Count Set Name

result set

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ

<u>L19</u>	L17 and L10	7	<u>L19</u>
<u>L18</u>	L14 and (L2 or L9)	261	<u>L18</u>
<u>L17</u>	L13 and (L2 or L9)	779	<u>L17</u>
<u>L16</u>	L12 and (L2 or L9)	0	<u>L16</u>
<u>L15</u>	L11 and (L2 or L9)	47	<u>L15</u>
<u>L14</u>	709/224.ccls.	3539	<u>L14</u>
<u>L13</u>	707/4-10.ccls.	9161	<u>L13</u>
<u>L12</u>	707/4/10.ccls.	0	<u>L12</u>
<u>L11</u>	715/511.ccls.	284	<u>L11</u>
<u>L10</u>	L9 and (position\$4 same table\$1)	48	<u>L10</u>
<u>L9</u>	L8 and (change same notification)	275	<u>L9</u>
<u>L8</u>	L7 and (updat\$3 same page\$1)	1575	<u>L8</u>
<u>L7</u>	Internet and ((link\$1 or hyperlink\$3) same check\$3)	9393	<u>L7</u>
<u>L6</u>	L2 and (updat\$3 same information object\$1)	107	<u>L6</u>
<u>L5</u>	L3 and (updat\$3 same information object\$1)	21	<u>L5</u>
<u>L4</u>	L3 and (stockticker\$1 or (stock same ticker\$1))	180	<u>L4</u>
<u>L3</u>	L2 and (notify\$3 same change\$1)	848	<u>L3</u>

 Next
 Page
 →

<u>L2</u>	(web page\$1 or HTML or SGML or XML) and (updat\$3 same content\$1)	8919	<u>L2</u>
<u>L1</u>	CyberWatcher	2	<u>L1</u>

END OF SEARCH HISTORY



US006596030B2

(12) United States Patent
Ball et al.**(10) Patent No.: US 6,596,030 B2**
(45) Date of Patent: Jul. 22, 2003**(54) IDENTIFYING CHANGES IN ON-LINE DATA REPOSITORIES****(75) Inventors:** Thomas J. Ball, Naperville, IL (US);
Frederick Dougls, Somerset, NJ (US)**(73) Assignee:** AT&T Corp., New York, NY (US)**(*) Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.**(21) Appl. No.:** 10/077,444**(22) Filed:** Feb. 15, 2002**(65) Prior Publication Data**

US 2002/0120648 A1 Aug. 29, 2002

Related U.S. Application Data**(63)** Continuation of application No. 08/549,359, filed on Oct. 27, 1995, now Pat. No. 6,366,933.**(51) Int. Cl.⁷** G06F 17/00**(52) U.S. Cl.** 715/511; 715/513**(58) Field of Search** 707/511, 513,
707/501.1, 522, 523, 202, 203, 204; 709/203,
217-219; 715/501.1, 511, 513, 522-523**(56) References Cited****U.S. PATENT DOCUMENTS**

4,807,182 A	*	2/1989	Queen	345/781
4,912,637 A	*	3/1990	Sheedy et al.	707/203
5,008,853 A	*	4/1991	Bly et al.	345/2.1
5,278,979 A	*	1/1994	Foster et al.	707/203
5,325,478 A	*	6/1994	Shelton et al.	707/4
5,438,661 A	*	8/1995	Ogawa	345/804
5,535,332 A	*	7/1996	Ishida	709/205
5,671,428 A	*	9/1997	Muranaga et al.	345/751
5,752,245 A	*	5/1998	Parrish et al.	707/1
5,764,972 A	*	6/1998	Crouse et al.	707/1
5,806,078 A	*	9/1998	Hug et al.	707/203
5,835,601 A	*	11/1998	Shimbo et al.	380/29
5,835,911 A		11/1998	Nakagawa et al.	

5,860,071 A * 1/1999 Ball et al. 707/100
5,995,097 A * 11/1999 Tokumine et al. 345/752**OTHER PUBLICATIONS**

Warren Ernst, "Using Netscape", QUE Corporation, pp. 34, 58-59, 66-71, 90, and 93-95, Mar. 1995.*

Using FrameMaker, Frame Technology Corp., pp. 22-1 to 22-19, Sep. 1993.*

Ball et al, "An Internet Difference Engine and its Applications", Proceedings of COMPCON '96, IEEE, pp. 71-76, Feb. 1996.*

Dougls et al, "Tracking and Viewing Changes on the Web", Proceedings of the 1996 Usenix Technical Conference, The Usenix Association, pp. 165-176, Jan. 1996.*

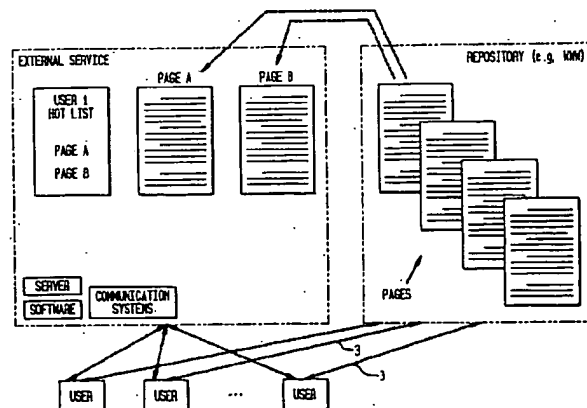
J-G Lim, "Using Coolists to Index HTML Documents in the Web", Computer Networks and ISDN Systems, vol. 28, pp. 147-154, Dec. 1995.*

Pazzini et al, "Learning from Hotlists and Coldlists: Towards a WWW Information Filtering and Seeking Agent", Proceedings of the International Conference on Tools with Artificial Intelligence, pp. 492-495, Jan. 1995.*

(List continued on next page.)

Primary Examiner—Joseph H. Feild*(74) Attorney, Agent, or Firm*—Hoffmann & Baron, LLP**(57) ABSTRACT**

A system for accessing documents contained in a remote repository, which change in content from version-to-version. The system allows users to specify lists of documents of interest. Based on the lists, the system maintains an archive, which contains a copy of one version of each listed document, and material from which the other versions can be reconstructed. The system periodically compares the archive with current versions of the documents located in the repository, and updates the archive, thereby maintaining the ability to reconstruct current versions. The system also monitors access to the versions by each user. When a user calls for a current version, the system presents the current version, and indicates what parts of the current version have not been previously accessed by the user.

11 Claims, 18 Drawing Sheets**Microfiche Appendix Included**
(1 Microfiche, 52 Pages)

Hit List

Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

Search Results - Record(s) 1 through 47 of 47 returned.

1. Document ID: US 20040268230 A1

Using default format because multiple data bases are involved.

L15: Entry 1 of 47

File: PGPB

Dec 30, 2004

PGPUB-DOCUMENT-NUMBER: 20040268230

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040268230 A1

TITLE: Systems and methods for differential document delivery based on delta description specifications

PUBLICATION-DATE: December 30, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Liu, Peiya	East Brunswick	NJ	US	
Hsu, Liang H.	West Windsor	NJ	US	

US-CL-CURRENT: 715/511

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	-----------	-------

2. Document ID: US 20040230896 A1

L15: Entry 2 of 47

File: PGPB

Nov 18, 2004

PGPUB-DOCUMENT-NUMBER: 20040230896

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040230896 A1

TITLE: Method and system for enabling collaborative authoring of hierarchical documents with unique node identifications

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	-----------	-------

3. Document ID: US 20040230895 A1

L15: Entry 3 of 47

File: PGPB

Nov 18, 2004

PGPUB-DOCUMENT-NUMBER: 20040230895

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040230895 A1

TITLE: Method and system for enabling collaborative authoring of hierarchical documents with locking

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	-----------	-------

4. Document ID: US 20040230894 A1

L15: Entry 4 of 47

File: PGPB

Nov 18, 2004

PGPUB-DOCUMENT-NUMBER: 20040230894

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040230894 A1

TITLE: Method and system for enabling collaborative authoring of hierarchical documents with versioning

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	-----------	-------

5. Document ID: US 20040230893 A1

L15: Entry 5 of 47

File: PGPB

Nov 18, 2004

PGPUB-DOCUMENT-NUMBER: 20040230893

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040230893 A1

TITLE: Method and system for enabling collaborative authoring of hierarchical documents with node privileges

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	-----------	-------

6. Document ID: US 20040216039 A1

L15: Entry 6 of 47

File: PGPB

Oct 28, 2004

PGPUB-DOCUMENT-NUMBER: 20040216039

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040216039 A1

TITLE: Automated method and collaborative process related to legal and regulatory requirement for document creation and document records management

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	-----------	-------

7. Document ID: US 20040205540 A1

L15: Entry 7 of 47

File: PGPB

Oct 14, 2004

PGPUB-DOCUMENT-NUMBER: 20040205540

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040205540 A1

TITLE: Document management system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	-----------	-------

☐ 8. Document ID: US 20040205537 A1

L15: Entry 8 of 47

File: PGPB

Oct 14, 2004

PGPUB-DOCUMENT-NUMBER: 20040205537

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040205537 A1

TITLE: System and method for managing intellectual property assets

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	-----------	-------

☐ 9. Document ID: US 20040148567 A1

L15: Entry 9 of 47

File: PGPB

Jul 29, 2004

PGPUB-DOCUMENT-NUMBER: 20040148567

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040148567 A1

TITLE: Electronic document versioning method and updated document supply method using version number based on XML

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	-----------	-------

☐ 10. Document ID: US 20040122897 A1

L15: Entry 10 of 47

File: PGPB

Jun 24, 2004

PGPUB-DOCUMENT-NUMBER: 20040122897

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040122897 A1

TITLE: Adapting a document repository to support fine-grained change requests, lightweight transactions and asynchronous notifications

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	-----------	-------

☐ 11. Document ID: US 20040093377 A1

L15: Entry 11 of 47

File: PGPB

May 13, 2004

PGPUB-DOCUMENT-NUMBER: 20040093377

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040093377 A1

TITLE: Network system for information creation, management and publication of documentation

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	-----------	-------

☐ 12. Document ID: US 20040003347 A1

L15: Entry 12 of 47

File: PGPB

Jan 1, 2004

h e b b g e e e f e e e f b e

PGPUB-DOCUMENT-NUMBER: 20040003347

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040003347 A1

TITLE: System and method for providing on-line services for multiple entities

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	-----------	-------

13. Document ID: US 20030217331 A1

L15: Entry 13 of 47

File: PGPB

Nov 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030217331

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030217331 A1

TITLE: Delta-handling in server-pages

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	-----------	-------

14. Document ID: US 20030079180 A1

L15: Entry 14 of 47

File: PGPB

Apr 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030079180

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030079180 A1

TITLE: Process and system for tracking the history of communications, data input, and operations in a complex project workflow system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	-----------	-------

15. Document ID: US 20030004990 A1

L15: Entry 15 of 47

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030004990

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030004990 A1

TITLE: System and method for reducing the size of data difference representations

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	-----------	-------

16. Document ID: US 20020143813 A1

L15: Entry 16 of 47

File: PGPB

Oct 3, 2002

PGPUB-DOCUMENT-NUMBER: 20020143813

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020143813 A1

TITLE: Method and arrangement for web information monitoring

h e b b g e e f e e ef b e

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	-----------	-------

☐ 17. Document ID: US 20020143812 A1

L15: Entry 17 of 47

File: PGPB

Oct 3, 2002

PGPUB-DOCUMENT-NUMBER: 20020143812

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020143812 A1

TITLE: System and method of automatically updating content on a web site

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	-----------	-------

☐ 18. Document ID: US 20020138513 A1

L15: Entry 18 of 47

File: PGPB

Sep 26, 2002

PGPUB-DOCUMENT-NUMBER: 20020138513

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020138513 A1

TITLE: Method for modifying and publishing a web page

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	-----------	-------

☐ 19. Document ID: US 20020120648 A1

L15: Entry 19 of 47

File: PGPB

Aug 29, 2002

PGPUB-DOCUMENT-NUMBER: 20020120648

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020120648 A1

TITLE: Identifying changes in on-line data repositories

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	-----------	-------

☐ 20. Document ID: US 20020083093 A1

L15: Entry 20 of 47

File: PGPB

Jun 27, 2002

PGPUB-DOCUMENT-NUMBER: 20020083093

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020083093 A1

TITLE: Methods and systems to link and modify data

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	-----------	-------

☐ 21. Document ID: US 20020078087 A1

L15: Entry 21 of 47

File: PGPB

Jun 20, 2002

PGPUB-DOCUMENT-NUMBER: 20020078087

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020078087 A1

TITLE: Content indicator for accelerated detection of a changed web page

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	-----------	-------

☐ 22. Document ID: US 20020065848 A1

L15: Entry 22 of 47

File: PGPB

May 30, 2002

PGPUB-DOCUMENT-NUMBER: 20020065848

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020065848 A1

TITLE: Simultaneous multi-user document editing system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	-----------	-------

☐ 23. Document ID: US 20020049786 A1

L15: Entry 23 of 47

File: PGPB

Apr 25, 2002

PGPUB-DOCUMENT-NUMBER: 20020049786

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020049786 A1

TITLE: Collaboration framework

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	-----------	-------

☐ 24. Document ID: US 20020046235 A1

L15: Entry 24 of 47

File: PGPB

Apr 18, 2002

PGPUB-DOCUMENT-NUMBER: 20020046235

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020046235 A1

TITLE: Document creation and delivery

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	-----------	-------

☐ 25. Document ID: US 20020019827 A1

L15: Entry 25 of 47

File: PGPB

Feb 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020019827

PGPUB-FILING-TYPE: new

h e b b g e e e f e e e f b e

DOCUMENT-IDENTIFIER: US 20020019827 A1

TITLE: Method and apparatus for managing documents in a centralized document repository syste

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	-----------	-------

26. Document ID: US 20010042082 A1

L15: Entry 26 of 47

File: PGPB

Nov 15, 2001

PGPUB-DOCUMENT-NUMBER: 20010042082

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010042082 A1

TITLE: Information processing apparatus and method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	-----------	-------

27. Document ID: US 20010032209 A1

L15: Entry 27 of 47

File: PGPB

Oct 18, 2001

PGPUB-DOCUMENT-NUMBER: 20010032209

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010032209 A1

TITLE: Electronic content store

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	-----------	-------

28. Document ID: US 20010011284 A1

L15: Entry 28 of 47

File: PGPB

Aug 2, 2001

PGPUB-DOCUMENT-NUMBER: 20010011284

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010011284 A1

TITLE: METHOD AND APPARATUS FOR A HOME NETWORK AUTO-TREE BUILDER

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	-----------	-------

29. Document ID: US 6820111 B1

L15: Entry 29 of 47

File: USPT

Nov 16, 2004

US-PAT-NO: 6820111

DOCUMENT-IDENTIFIER: US 6820111 B1

TITLE: Computer user interface architecture that saves a user's non-linear navigation history and intelligently maintains that history

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	-----------	-------

Hit List

Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

Search Results - Record(s) 1 through 7 of 7 returned.

1. Document ID: US 20040205065 A1

Using default format because multiple data bases are involved.

L19: Entry 1 of 7

File: PGPB

Oct 14, 2004

PGPUB-DOCUMENT-NUMBER: 20040205065

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040205065 A1

TITLE: System for creating and maintaining a database of information utilizing user opinions

PUBLICATION-DATE: October 14, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Petras, Gregory J.	Phoenix	AZ	US	
Zywicki, Jeffrey T.	Scottsdale	AZ	US	
Parham, Flori N.	Chandler	AZ	US	
Fisher, Mark A.	Scottsdale	AZ	US	
Martin, Robert R.	Scottsdale	AZ	US	
Mason, Andrew F.	Cave Creek	AZ	US	
Osborn, Cory	Phoenix	AZ	US	
Cramer, Lisa J.	Scottsdale	AZ	US	
Thompson, Craig P.	Glendale	AZ	US	
White, Norman	Scottsdale	AZ	US	
Mellott, Gary D.	Littleton	CO	US	
Cameron, Kimberly A.	Incline Village	NV	US	
Kredit, Kory	Chandler	AZ	US	
Thomas, Rachael A.	Phoenix	AZ	US	
Riffel, Connie	Mesa	AZ	US	
Hill, Richard W.	Scottsdale	AZ	US	

US-CL-CURRENT: 707/5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	-----------	-------

2. Document ID: US 6640244 B1

L19: Entry 2 of 7

File: USPT

Oct 28, 2003

US-PAT-NO: 6640244

DOCUMENT-IDENTIFIER: US 6640244 B1

TITLE: Request batcher in a transaction services patterns environment

h e b b g e e e f e e e f b e

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	-----------	-------

3. Document ID: US 6571282 B1

L19: Entry 3 of 7

File: USPT

May 27, 2003

US-PAT-NO: 6571282

DOCUMENT-IDENTIFIER: US 6571282 B1

TITLE: Block-based communication in a communication services patterns environment

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	-----------	-------

4. Document ID: US 6550057 B1

L19: Entry 4 of 7

File: USPT

Apr 15, 2003

US-PAT-NO: 6550057

DOCUMENT-IDENTIFIER: US 6550057 B1

**** See image for Certificate of Correction ****

TITLE: Piecemeal retrieval in an information services patterns environment

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	-----------	-------

5. Document ID: US 6529909 B1

L19: Entry 5 of 7

File: USPT

Mar 4, 2003

US-PAT-NO: 6529909

DOCUMENT-IDENTIFIER: US 6529909 B1

**** See image for Certificate of Correction ****

TITLE: Method for translating an object attribute converter in an information services patter environment

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	-----------	-------

6. Document ID: US 6442748 B1

L19: Entry 6 of 7

File: USPT

Aug 27, 2002

US-PAT-NO: 6442748

DOCUMENT-IDENTIFIER: US 6442748 B1

TITLE: System, method and article of manufacture for a persistent state and persistent object separator in an information services patterns environment

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	-----------	-------

7. Document ID: US 6434568 B1

L19: Entry 7 of 7

File: USPT

Aug 13, 2002

US-PAT-NO: 6434568

DOCUMENT-IDENTIFIER: US 6434568 B1

TITLE: Information services patterns in a netcentric environment

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	----------	--------	-----	-----------	-------

Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

Terms

Documents

L17 and L10

7

Display Format:

Change Format

[Previous Page](#)

[Next Page](#)

[Go to Doc#](#)